

SECTION 08305 - ACCESS DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following types of access doors:
 - 1. Fire-rated wall access doors.
 - 2. Wall access doors.
 - 3. Fire-rated ceiling access doors.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 8 Section "Door Hardware" for mortise or rim cylinder locks.
 - 2. Division 9 Section "Gypsum Board Assemblies" for gypsum board walls and ceilings.
 - 3. Division 9 Section "Tile" for ceramic tile walls.
 - 4. Division 9 Section "Acoustical Tile Ceilings" for access tile in suspended or furred acoustical tile ceilings.
 - 5. Division 15 Section "Duct Accessories" for duct access doors.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of Contract and Division 1 Specification Sections.



-
- B. Product data for each type of access door assembly specified, including details of construction relative to materials, individual components, profiles, finishes, and fire-protection ratings (if required).
 - 1. Include complete schedule, including types, general locations, sizes, wall and ceiling construction details, latching or locking provisions, and other data pertinent to installation.
 - C. Shop drawings showing fabrication and installation of customized access doors and frames, including details of each frame type, elevations of door design types, anchorage, and accessory items.
 - D. Samples, 3-inch (75-mm) by 5-inch (125-mm) minimum size, of each panel face material showing factory-finished color and texture.

1.4 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain access doors for entire Project from one source and by a single manufacturer.
- B. Fire-Rated Door Assemblies: Units that comply with NFPA 80, are identical to door and frame assemblies tested for fire-test-response characteristics per test method as indicated below, and are labeled and listed by UL, Warnock Hersey, or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Test Method for Vertical Installations: ASTM E 152.
 - 2. Test Method for Horizontal Installations: ASTM E 119.
- C. Size Variations: Obtain acceptance of manufacturer's standard size units, which may vary slightly from sizes indicated.

1.5 COORDINATION

- A. Verification: Determine specific locations and sizes for access doors needed to gain access to concealed equipment, and indicate on schedule specified under "Submittals" Article.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include, but are not limited to:
1. Acudor Products Inc.
 2. Cesco Products.
 3. J.L. Industries.
 4. Karp Associates, Inc.
 5. Larsen's Manufacturing Co.
 6. Milcor, Inc.

2.2 MATERIALS

- A. Steel Sheet: **ASTM A 366** (**ASTM A 366M**) commercial-quality, cold-rolled steel sheet with baked-on, rust-inhibitive primer.

2.3 ACCESS DOORS

- A. Insulated, Fire-Rated Access Doors: Self-latching units consisting of frame, trim, door, insulation, and hardware, including automatic closer, interior latch release, and complying with the following requirements:
1. Trimless Frame: Perimeter frame complying with the following requirements:
 - a. Metal: **0.0598-inch-** (**1.52-mm-**) thick steel sheet.
 - b. Frame Configuration: Flange integral with frame and overlapping face of adjoining gypsum board, with surface formed to receive joint compound.
 2. Door: **0.0359-inch-** (**0.91-mm-**) thick steel sheet, welded pan type.
 3. Hinges: Continuous type.
 4. Latches: Bolt type, operated by either a ring turn or flush key device (keyed alike).

-
5. Insulation: 2-inch- (50.8-mm-) thick mineral-fiber insulation.
 6. Fire-Protection Rating for Walls: 1-1/2 hours with a temperature rise not exceeding 250 deg F (139 deg C) at the end of 30 minutes.
 7. Fire-Protection Rating for Ceilings: 3 hours for non-combustible assemblies.
 8. Concealed, Gypsum Board Edge Trim: 0.0299-inch (0.76-mm) zinc-coated or galvanized-steel sheet with face flange formed to receive joint compound.
 9. Locks: Key-operated cylinder lock.

2.4 FABRICATION

- A. General: Manufacture each access door assembly as an integral unit ready for installation.
- B. Steel Access Doors and Frames: Continuous welded construction. Grind welds smooth and flush with adjacent surfaces. Furnish attachment devices and fasteners of type required to secure access panels to types of supports indicated.
 1. Exposed Flange: Nominal 1 to 1-1/2 inches (25.4 to 38.1 mm) wide around perimeter of frame.
 2. For gypsum board assemblies, furnish frames with edge trim for gypsum board or gypsum base.
 3. For installation in masonry construction, furnish frames with adjustable metal masonry anchors.
- C. Locking Devices: Furnish number required to hold door in flush, smooth plane when closed. Furnish 2 keys per lock and key all locks alike.

PART 3 - EXECUTION

ACCESS DOORS

08305 - 4



3.1 PREPARATION

- A. Advise Installers of other work about specific requirements relating to access door installation, including sizes of openings to receive access door and frame, as well as locations of supports, inserts, and anchoring devices. Furnish inserts and anchoring devices for access doors that must be built into other construction. Coordinate delivery with other work to avoid delay.

3.2 INSTALLATION

- A. Comply with manufacturer's instructions for installing access doors.
- B. Install concealed-frame access doors flush with adjacent finish surfaces.

3.3 ADJUST AND CLEAN

- A. Adjust hardware and panels after installation for proper operation.
- B. Remove and replace panels or frames that are warped, bowed, or otherwise damaged.

END OF SECTION 08305

